

AMENDMENTS TO THE ABSTRACT

Please replace the Abstract with the following rewritten Abstract:

A passenger aircraft includes a cabin subdivided into a plurality of cabin zones supplied with feed air from respective supply lines, a plurality of temperature sensors, and an electronic control unit coupled to the plurality of temperature sensors. The plurality of temperature sensors measures a plurality of individual ambient temperature values associated with different locations in at least one of the plurality of cabin zones. The electronic control unit derives a derived ~~an actual~~ ambient temperature value for the at least one cabin zone from the plurality of individual ambient temperature values. The electronic control unit then controls a temperature of the feed air supplied to the at least one cabin zone based on the difference between the derived ~~actual~~ ambient temperature value and a room temperature target value for the at least one cabin zone.